

1661.

M D C L X I

AN

# ALMANACK

FOR THE YEAR OF  
OUR LORD

1661.

*Being second after Leap year, and from  
the Creation 5610.*

Whose Vulgar Notes are

Golden number 9. Cycle of the Sun 18.

Roman Indict: 14. The Epact 9

Dominicall letter F.

Rectified to the Longitude of 31  
gr: and 42 gr: 30 min. of N: Lat:  
and may Generally serve for  
the most part of  
New-England.

By S. C. Philomathemat:

C A M B R I D G

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1661.

AY20  
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1661.

**T**here will be observable by the Earths Inhabitants, Four Eclipses of the Luminaries this present year, Two of the Sun and two of the Moon.

The first will be a Solar Eclipse, upon the 20 of March, in the morning; but by reason of the Moons Parallax, it will not be exhibited to our view, but will be conspicuous in England from beginning to end.

The Second will be a partial Eclipse of the Moon about noon upon the 4 of April but cannot be seen in our Meridian, but will be visible in East India and the Orientall Kingdome of Bengala.

The third Eclipse of the Sun will happen on the 13 of September to us invisible, but to them who live under the Longitude of 22 gr. and 16 gr. of south Latitude the Sun will appear almost Totally darkned.

The last Eclipse will be of the Moon, which will be conspicuous in our Hemisphere upon the 27 of September, as is here described.

The beginning 9 04 min.

Greatest Obscuration 10 21 min. night.

The end 11 38 min.

The totall duration will be 2 h. 33 m. and digits eclipsed 7.

Besides these Eclipses of the Sun & Moon, there will happen a rare Mercuriall Eclipse, where (by the help of the Telescope) the Planet Mercury may be discovered. (like a Solar spot) in the body of the Sun, the exact time of which Conjunction will be

April 23, at 08 07 T.M. in 13 gr. 29 m. S.

The Central Ingress at

Visible Conjunction

Nearest appropinquation of Centers

The Central Egress

4 h 07 m.

8 h 26 m.

7 h 28 m.

12 h 49 m.

April 23.

So that the time of the Central duration of Mercury upon the Suns visible Disc will be 8 h. 42 min.

**W**hat's here prognostic'd dire fate, (not think it strange)  
If not by men, to men, be made some change.

The beginning of the four quarters of the year.

Earth in ☊ in ♈ March 9 day 8 h. 2 m. night.

Earth in ♋ in ♋ June 10 day 10 h. 59 m. night.

Earth in ♌ in ♏ Septemb: 12 day 2 h. 3 m. afternoon.

Earth in ♍ in ♊ Decemb: 12 day 01 h. 40 m. morn.



Mr. M. T. 16/I/17

month	week	On the 10 day, the Sun riseth at	5 12 m.	& sets at	5 48 m.
			5 00 m.		6 00 m.
dayes			5 45 m.		6 15 m.

[illegible]

**T**HE bright Parelion, whose spurious rays  
The wond'ring world so strangely did amaze,  
(During whose course, poor Tellus was afflict'd  
At such high rates, the vapours from her press'd,  
The fumes by taxes rais'd, and customs due  
His splendour to maintain, were not a few)  
Did disappear, and sparkling Sol again  
Was in his throne, with all his glitt'ring train.

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The second month called *April* hath xxx dayes

On the 10 day, the Sun riseth at 5 28 m. & sets at 6 32 m.  
 120 5 03 m. 16 57 m.

month	week	dayes	Notes	month	week	dayes	Notes
1	1	1	* h Lun 7 p q Lun 0.	21	17	19	
2	2	2	Court at Cambridge & N-haven. q in v.	22	18	20	
3	3	3	Lun 0. q Elong. fere max a ☉.	23	19	21	
4	4	4	Full moon 11 h. 5 m. before noon.	24	20	22	
5	5	5	Δ h Lun 19. p q Lun 15.	25	21	23	
6	6	6	q h Lun 4 p q 15.	26	22	24	
7	7	7	Δ q Lun 9.	27	23	25	
8	8	8	Artillery at Watertown. ☐ h Lun 6.	28	24	26	
9	9	9	Court at Salisbury. ☐ p Lun 12.	29	25	27	
10	10	10	Δ q Lun 8 ☐ q Lun 10.	30	26	28	
11	11	11	☾ Last quarter 9 h. 59 m. morn. Δ h q	1	27	29	
12	12	12	☐ q Lun 12.	2	28	30	
13	13	13	☐ h Lun 20 Mercury Retrograde.	3	29	1	
14	14	14	☐ Lun Perig. Δ h Lun 21.	4	30	2	
15	15	15	☐ Lun 2.	5	1	3	
16	16	16	☐ Lun 3 ☐ q Lun 18. Lun q.	6	2	4	
17	17	17		7	3	5	
18	18	18	☾ New moon 2 h. 22 m. after noon.	8	4	6	
19	19	19	Δ p Lun 23.	9	5	7	
20	20	20		10	6	8	
21	21	21	☐ h Lun 19 * q Lun 10	11	7	9	
22	22	22	☐ p Lun 4 ☐ q 21 q in v.	12	8	10	
23	23	23	Δ h Lun 11. Mercury Orient. ☐ q Lun	13	9	11	
24	24	24	Δ q Lun 8.	14	10	12	
25	25	25	☾ Second quarter 11 h. 24 m. before noon	15	11	13	
26	26	26	Δ q Lun 19 q in v.	16	12	14	
27	27	27	Δ q Lun 14 Lun Apog.	17	13	15	
28	28	28	☐ Lun 20.	18	14	16	
29	29	29	☐ Lun 14 p q Lun 18.	19	15	17	
30	30	30	County Court Boston. Saturn Occid.	20	16	18	

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☾ 24

When there be'ng sat, hee first deplor'd the tale  
 Of his poor Queen, whose crackt & wind-chap't face  
 Bringing to mind her woes and sorrowes past,  
 To close her wounds the teares (sweete balme) in hast  
 Ran forth, which rite perform'd grave Maja's Sonne  
 Lucina's Nuncio, first due homage done  
 Unto his Sov'raigne, at length meerer came  
 He r humble suit presenting in her name.



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The third month called *May* hath xxxj dayes

On the 10 day, the Sun riseth at 4 51 m. & sets at 7 09 m.  
20 4 42 m. & 7 13 m.  
4 34 m. & 7 26 m.

Month	Day	Event	Time	Time	Time
1	4	Lun 8.	31	8	21
2	5	9. Lun. 8. 0 2 17.	32	18	21
3	6	Lun 8.	33	16	16
4	7	Full moon 1. h 11. m. morn. Δ 0 19.	34	14	29
5	1		35	11	12
6	2	Lun. 14 Δ Lun. 22.	36	09	25
7	3	Court at Plymouth & N-havē Mercury Direct	37	06	09
8	4	Lun 19.	38	04	22
9	5	18. Lun. 3.	39	01	06
10	6		40	59	20
11	7	Last quarter 3. h. 54 m. morn 0 19.	41	56	04
12	1	1. Lun. 1. 13 perig.	42	54	18
13	2	Art. Watertown Lun 0 0 23	43	51	03
14	3	0 5.	44	49	17
15	4	Lun 17.	45	46	01
16	5	Court of Election Hartford 0 19.	46	44	15
17	6	7. New moon 12 h. 1 m. night.	47	41	29
18	7		48	38	13
19	1	Lun 12.	49	36	16
20	2	16. Mercury Elong. max. 0.	50	33	10
21	3	Jupiter Direct. 0 16 in II.	51	30	23
22	4	Court of ELECTION at Boston. 0 17.	52	27	05
23	5	Lun 0 19 Δ 0 17.	53	25	17
24	6	Lun. 11.	54	23	29
25	7	Second quarter 5 h. at night Lun Apog.	55	19	11
26	1	Lun 21.	56	16	23
27	2	Lun 7 Lun 0.	57	14	05
28	3	Lun 21.	58	11	17
29	4	Court of ELECTION at New-haven.	59	08	29
30	5	0 13.	60	05	11
31	6	Lun 9. Lun 17.	61	03	24

Which scarce was done, but babling Fame is sent  
At Envy's beck, this newes forthwith to vent.  
Meane while Sol's loyall Peeres first at a stand  
After some pause to whisper they began.  
Grim Saturn now rounds Phabe in her care,  
Mars on her frownes, and if hee might, with's speare  
Hee'd quickly lay her weltring in her gore,  
As hee her sister serv'd not long before.

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Week	Month
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12

1711  
1712  
1713  
1714  
1715

**C** Iron Squint-ey'd fain would his forked dart  
Let fly, and strike poor Phœbe to the heart,  
Clorin doth her a front, enrag'd with ire  
Most of the now 'gainst her (poor soule) conspire  
All in an uproar, storme her, now they cry,  
A Canons breath would make all leuell y,  
Raze down her bulwarks, a fire-ball would make  
Her towne no holds, and her a bon-fire make.



The fifth month called July hath xxxi days

moon	days	On the 10 day, the Sun riseth at 4 33 m. & sets at 7 27 m.	On the 10 day, the Sun riseth at 4 40 m. & sets at 7 20 m.	On the 10 day, the Sun riseth at 4 50 m. & sets at 7 10 m.
1	1	Full moon 9 h. 43 m. night. Q in ♍		
2	2	Court at York. N. w. haven. Δ ♄ 13		
3	3	☿ ♄ 7. ☿ ♄ 16.		
4	4			
5	5	Δ ♄ Lun 9.		
6	6	Lun Perig. ☿ ♄ 13 Δ ♄ Lun 4.		
7	7	Δ ♄ Lun 3.		
8	8	Last quarter 2 h. 10 m. at noon. ♄ ♄ 15		
9	9	☿ ♄ 15. ☿ ♄ 11 ♄ in ♍.		
10	10	Saturn Stationary ☿ ♄ 14.		
11	11	Δ ♄ Lun 4.		
12	12	Saturn Direct.		
13	13	☿ ♄ Lun 12.		
14	14	Δ ♄ ☿ ♄ 13 ♄ in ♍.		
15	15	New moon 10 h. 19 m. night. ☿ ♄ 1		
16	16	☿ ♄ Lun 15.		
17	17	☿ ♄ 14 ☿ ♄ Lun 22.		
18	18			
19	19	Lun Apog. * ♄ 13 ♄ in ♍.		
20	20	Δ ♄ 14 ☿ ♄ Lun 23.		
21	21	* ♄ 13 ☿ ♄		
22	22	☿ ♄ 13 ☿ ♄		
23	23	☿ ♄ 14.		
24	24	Second quarter 2 h. 54 m. morn.		
25	25	☿ ♄ Lun 21.		
26	26	☿ ♄ 20 Δ ♄ Lun 21.		
27	27			
28	28	☿ ♄ 4 Δ ♄ 9 Δ ♄ 12.		
29	29			
30	30	County Court Boston. ☿ ♄ 12 aper. For		
31	31	Full moon 5 h. 50 m. morn. ♄ ♄ 18.		

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BUT whilst they thus combin'd, Phœbus allay'd  
These rising stormes, and now a calm be'ng made  
Hee Syrius spyes, though well nigh in a swoon  
With running tird, barking but at the Moon  
Whom yelping Procyon a loof off did trace  
A Lion-like, whilst Phœbe was in chase  
By her own hounds, who from some nimble Doe  
Bloud-thirsty crew, their Mistress would not know.



The sixth month called *Megust* hath xxxj dayes.

On the 10<sup>th</sup> day, the Sun riseth at 5 03 m. & sets at 6 57 m.  
 10 14 m. 6 46 m.  
 20 28 m. 6 32 m.

Day	Time	Event	Day	Time	Event
1	12	Lun 1	19	09	X 05
2	12	Lun 2	20	07	20
3	12	Lun 3	21	04	Y 05
4	12	Lun 4	22	02	20
5	12	Lun 5	23	00	04
6	12	Lun 6	24	37	18
7	12	Lun 7	25	35	03
8	12	Lun 8	26	33	17
9	12	Lun 9	27	31	28
10	12	Lun 10	28	48	11
11	12	Lun 11	29	46	23
12	12	Lun 12	30	44	06
13	12	Lun 13	01	40	00
14	12	Lun 14	02	38	12
15	12	Lun 15	03	36	24
16	12	Lun 16	04	34	06
17	12	Lun 17	05	32	18
18	12	Lun 18	06	30	29
19	12	Lun 19	07	28	11
20	12	Lun 20	08	27	23
21	12	Lun 21	09	25	05
22	12	Lun 22	10	23	17
23	12	Lun 23	11	21	03
24	12	Lun 24	12	19	15
25	12	Lun 25	13	18	29
26	12	Lun 26	14	16	04
27	12	Lun 27	15	14	29
28	12	Lun 28	16	13	14
29	12	Lun 29	17	11	29
30	12	Lun 30	18	10	16

**B**UT due to Sol. retiring, they to say  
Begin, and treason to her charge they lay;  
As if that she with Tellus had combin'd  
To set the Sun, and with the Stars had join'd  
To rule the World, nor's this the first they add,  
Plot of this kind, view well, but when she's clad  
In her white Liv'ry, and you'll in it see  
How many spots, black treason-marks there be.



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The seventh month called *September* hath xxx dayes

On the 10 day, the Sun riseth at 5 44 m. & setteth at 6 16 m.  
On the 20 day, the Sun riseth at 5 57 m. & setteth at 6 03 m.  
On the 30 day, the Sun riseth at 6 18 m. & setteth at 5 49 m.

Month	Day	Event	Time	Time
1	1	☾ 17 * ☉ h 8.	19	18
2	2	☾ Lun 9.	20	07
3	3	Court Assist. Boston & N-haven. ☐ ☐ ☐.	21	05
4	4	☾ Lun 9. (32 m. morn)	22	04
5	5	Quarter Court Harf. ☾ Last quarter. 6 h	23	03
6	6	☐ ☐ Lun 18 ☐ ☐ Lun 10. Δ h ☐.	24	01
7	7	Mercury Direct.	25	00
8	8	1	25	59
9	9	Artillery ELECT. Watertown. ☐ ☐ ☐.	26	58
10	10	3	27	56
11	11	☐ ☐ Lun 3 * h Lun 22.	28	55
12	12	Lun Apog.	29	54
13	13	☉ New moon 6 h. 19 m. morn. ☐ ☐.	30	53
14	14	Mercury Direct max. a ☐ ☐ ☐.	01	52
15	15	☐ ☐ Lun 20.	02	51
16	16	☐ ☐ Lun 1 * ☐ ☐ Lun 8. ☐ h ☐.	03	50
17	17	3	04	49
18	18	* h ☐ 18.	05	48
19	19	* ☐ ☐ 9 ☐ ☐ Lun 11.	06	47
20	20	* ☐ ☐ Lun 5. ☐ in m.	07	47
21	21	☐ Second quarter 5 h. 47 m. morn.	08	46
22	22	☐ ☐ Lun 16 Δ ☐ Lun 2.	09	45
23	23	☐ h ☐ 11 Δ ☐ Lun 21.	10	44
24	24	Quarter Court Ipswich. Δ ☐ Lun 23.	11	44
25	25	☐ ☐ Lun 9 Δ h Lun 12. ☐ in m.	12	43
26	26	☐ ☐ Lun 18 ☐ Perig.	13	43
27	27	☉ Full moon 10 h. 23 m. night. ☐ ☐.	14	42
28	28	7	15	41
29	29	* ☐ ☐ Lun 13 ☐ ☐ Lun 7 ☐ h ☐.	16	41
30	30	2	17	40

Although shee by her bashfull lookes faire would  
Not then disclose, as if that blushing could  
The guilty free; which Sol-hearing, revolves  
Now this, then that in's mind, one while resolves  
Shee shall at least surrender for some space  
Her borrow'd light, but then her veiled face  
And mourning weeds (as if that hee her smart  
Had felt) to pittie move his tender heart.

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The eight month called October hath xxxj dayes.

month	dayes	On the 10 day, the Sun riseth at	6 27 m.	& sets at	5 33 m.
			6 39 m.		5 21 m.
			6 53 m.		5 07 m.
1	1	Court at Cambridg. Plimouth. N-havē.	18	40	11 06
2	2	Δ Lun 3.	19	40	20
3	3	♂ ♀ per. port. □ ♀ Lun 12.	20	39	30 4
4	4	♂ ♀ 1st quarter 7 h. 43 m. night. Δ h ♀	21	39	17
5	5	♂ ♀ 20	22	39	00
6	6	Jupiter Oriental □ ♀ 19 ♂ ♀ 16	23	38	12
7	7	♂ ♀ Lun 20. ♂ ♀ 1	24	38	24
8	8	Court at Hampton ♂ ♀ per. port.	25	38	06
9	9	♂ ♀ 10 * ♀ Lun 17.	26	38	18
10	10	♂ ♀ 18. ♀ ♀	27	38	30
11	11	Mercury Occidental ♀ Apog.	28	38	12
12	12	New moon 12 h. 8 m. night. ♀ in m	29	38	24
13	13	♂ ♀ Lun 11. Δ ♂ Lun 8. ♀ in +	00 m	38	05
14	14	♂ ♀ Lun 4	01	38	17
15	15	♂ ♀ Lun 4	02	38	29
16	16	♂ ♀ Lun 4	03	38	12
17	17	* ♀ Lun 2.	04	38	25
18	18	* ♀ Lun 4	05	38	38
19	19	♂ ♀ Lun 9. ♂ ♀ Lun 4.	06	38	21
20	20	♂ ♀ 2nd quarter 4 h. 20 m. night	07	39	04
21	21	♂ ♀ Lun 10 Δ ♀ Lun 15.	08	39	18
22	22	♂ ♀ Lun 14.	09	39	02
23	23	Δ h ♀ 12. Δ ♂ 14. Δ ♀ 12.	10	40	16
24	24	♂ ♀ Lun 19. □ ♂ Lun 15. ♀ Perig	11	40	01
25	25	♂ ♀ Lun 14. ♂ ♀ 16.	12	40	16
26	26	♂ ♀ Lun 14. ♂ ♀ 16.	13	41	01
27	27	♂ ♀ Lun 14. ♂ ♀ 16.	14	41	15
28	28	Full moon 8 h. 30 m. morn. Δ ♂ ♀	25	42	00
29	29	County Court at Boston. ♂ ♀ 16.	16	42	15
30	30	♂ ♀ in +	17	43	29
31	31	Δ h Lun 23.	18	43	01

Thus unresolv'd whilest that he stands, as loth  
To grieve her mind, her foes being as wroth  
As he was milde, with fiery looks arose  
(As if that they their shade would interpose  
Betwixt him and her, impatient now they grew  
Against this Changeling their plaints to renew,  
They'll strive that shee who did begin to wane  
In favour, now may never waxe againe.



Month	Week	Day	Sun rises at	Sets at
March	1	1	7 08 m.	4 52 m.
		2	7 17 m.	4 43 m.
		3	7 26 m.	4 34 m.

1	6	☐ ♀ ☿ 7. ☿ ☿ ☿ 3. Δ ☿ ☿ 12.	19	m	44	515
2	7	☾ Last quarter 52 m. afr. noon. ♀ in m	20	45	Ω	08
3	1	☐ ☿ Lun 8.	21	45	21	
4	2	☐ ☿ Lun 8.	22	46	μ	03
5	3	Court at New-haven.	23	47	14	
6	4	☐ ☿ Lun 5. * ☿ Lun 3.	24	47	26	
7	5	☿ ☿ ☿ 17 aper. port. * ♀ ☿ ☿ in ♀	25	48	08	
8	6	Saturn Oriental. ☾ ☿. Lun Apog.	26	49	20	
9	7	☐ ☿ ☿ 9. ☿ ☿ Lun 0.	27	50	m	02
10	8	New moon 5 b. 35 m. night. Δ ☿ ☿	28	50	14	
11	9	☐ ☿ Lun 18.	29	51	26	
12	10	* ☿ Lun 18.	30	52	+	9
13	11	☐ ☿ Lun 7.	01	53	22	
14	12	* ☿ Lun 16.	02	54	W	05
15	13	☐ ☿ Lun 1. ☿ ☿ Lun 20.	03	55	18	
16	14	* ☿ Lun 17. ☐ ☿ ☿ 21	04	56	m	01
17	15	☾ Second quarter 11 b. 47 m. night.	05	57	15	
18	16	* ☿ Lun 3.	06	58	28	
19	17	Δ ☿ Lun 1. Δ ☿ Lun 3. ☐ ☿ ☿	07	59	* ☿	12
20	18	Mars Retrograde. ☿ in ♀ Lun perig	08	00	26	
21	19	☐ ☿ Lun 13. ☐ ☿ Lun 5	09	01	11	
22	20	Δ ☿ Lun 17.	10	02	29	
23	21	☐ ☿ Lun 9. * ♀ ☿ 22.	11	03	25	
24	22	☐ ☿ Lun 9. * ♀ ☿ 22.	12	04	10	
25	23	☐ ☿ Lun 9. * ♀ ☿ 22.	13	05	24	
26	24	Court at Salem. ☐ ☿ Lun 23.	14	06	08	
27	25	Mercury Distan. max. a ☐.	15	07	03	
28	26	Δ ☿ ☿ 14. ☿ ☿ ☿ 14. ☐ ☿ ☿ 10	16	08	07	
29	27	☐ ☿ Lun 2	17	09	07	
30	28	Δ ☿ ☿ 4 ☐ ☿ ☿ 14 aper. port	18	10	29	
	29		19	11	08	

**C**Old-streaming Titan scarce again was sat  
In his Star-chamber bravely deck't, but then  
A brain-lick crew, like *ignes fati*,  
First to and fro dancing i'th Azure skye  
Then soaring up, and driven by the wind  
Of loud breath'd Fame, at length the Court they fill,  
Where rudely they rush't in, as if that they  
Had meant at first to fright them all away.

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The tenth month called *December* hath xxxij dayes.

month	week	dayes	On the 10 day .the Sun riseth at	7 32 m.	4 28 m.
		30,	7 35 m.	8 sets at 4 27 m.	
			7 32 m.	4 28 m.	
1	1	1	☉ 13.	☉ in ♈	☉ 19
2	2	2	☉ 20.	☉ in ♈	☉ 26
3	3	3	Court Plim. N-haven.	Last quarter	☉ 23
4	4	4	☉ Resto. ☉ 16.	☉ Apo. 19 h. 43 m. mor.	☉ 20
5	5	5	Court at Hartford.	☉ Lun 0.	☉ 16
6	6	6	☉ 17	☉ 16.	☉ 13
7	7	7	☉ 14	☉ 15.	☉ 10
8	8	8	☉ 14	☉ 14.	☉ 7
9	9	9	☉ 14	☉ 14.	☉ 4
10	10	10	☉ 14	☉ 14.	☉ 1
11	11	11	☉ 14	☉ 14.	☉ 1
12	12	12	☉ 14	☉ 14.	☉ 1
13	13	13	☉ 14	☉ 14.	☉ 1
14	14	14	☉ 14	☉ 14.	☉ 1
15	15	15	☉ 14	☉ 14.	☉ 1
16	16	16	☉ 14	☉ 14.	☉ 1
17	17	17	☉ 14	☉ 14.	☉ 1
18	18	18	☉ 14	☉ 14.	☉ 1
19	19	19	☉ 14	☉ 14.	☉ 1
20	20	20	☉ 14	☉ 14.	☉ 1
21	21	21	☉ 14	☉ 14.	☉ 1
22	22	22	☉ 14	☉ 14.	☉ 1
23	23	23	☉ 14	☉ 14.	☉ 1
24	24	24	☉ 14	☉ 14.	☉ 1
25	25	25	☉ 14	☉ 14.	☉ 1
26	26	26	☉ 14	☉ 14.	☉ 1
27	27	27	☉ 14	☉ 14.	☉ 1
28	28	28	☉ 14	☉ 14.	☉ 1
29	29	29	☉ 14	☉ 14.	☉ 1
30	30	30	☉ 14	☉ 14.	☉ 1
31	31	31	☉ 14	☉ 14.	☉ 1

These upstarts entred, Justice is requir'd  
 By one of them, who, as hee thought, inspir'd,  
 Against Lucina thus his rage did vent,  
 Thou Murderess, cannot a fume be sent  
 Up from my mother Earth to thee? but now  
 Thou shalt bee set on fire, what can't not thou  
 A wandring Meteor in thy confines see?  
 But it a falling-starre straight caus'd must bee.



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## The eleventh month called January hath xxxj dayes

month	week	On the	day	the Sun riseth at	& sets at
	I	10		7 25 m.	4 35 m.
	II	17		7 17 m.	4 43 m.
	III	24		7 06 m.	4 54 m.

dayes	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	☐♂☾. 13. Lun. Apog.																														
2	☾♂☾. 10. b. 4 m. morn.																														
3	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
4	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
5	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
6	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
7	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
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11	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
12	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
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19	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
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28	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
29	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
30	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														
31	☾♂☾. 10. Δ☾☾. 5. ☾ Elong. max. a ☾																														

O R what made thee our flies so to abuse?  
 Whose blood of murder doth thee here accrue?  
 What though they feav'rish were, as you suppos'd,  
 In little-houses must they bee inclin'd  
 What learn'd Emperick ord'ed thee (I faine  
 Would know) to sweat them there? or ope' a vein  
 And blooded well, to force them then to goe  
 Abroad againe, whither they would or no.

1661.

The twelfth month called February hath xxviii dayes

On the 10 day, the Sun riseth at 6 51 m. & sets at 5 09 m.  
 On the 120 day, the Sun riseth at 6 39 m. & sets at 5 21 m.  
 On the 120 day, the Sun riseth at 6 27 m. & sets at 5 33 m.

Month	Days	Events	Hours	Minutes	Seconds
1	7	Last quarter 5 h. 5 m. morn. ☾	23	22	26
2	1	☿ ☽ ☾ 7. Venus Digres. max.	24	23	8
3	3	New-haven Court. ☿ ☽ ☾ ☽ Lun.	25	24	31
4	4	☿ ☽ Lun 6. ☽ Lun 21.	26	24	31
5	5	Mars Direct. ☽ ☽ Lun 8.	27	25	17
6	6	New moon 12 h. 40 m. before mō.	28	25	01
7	7	☽ ☽ Lun 9. ☽ Lun 17. ☽ ☽.	29	26	15
8	8	☽ ☽ Lun 9. Lun Perig.	30	26	29
9	9	☽ ☽ 17 perig. ☽ ☽ Lun.	01	27	14
10	10	☽ ☽ 17 perig. ☽ ☽ Lun.	02	27	29
11	11	☽ ☽ 17 perig. ☽ ☽ Lun.	03	27	14
12	12	☽ ☽ 17 perig. ☽ ☽ Lun.	04	28	28
13	13	☽ ☽ 17 perig. ☽ ☽ Lun.	05	28	13
14	14	☽ ☽ 17 perig. ☽ ☽ Lun.	06	28	17
15	15	☽ ☽ 17 perig. ☽ ☽ Lun.	07	28	11
16	16	☽ ☽ 17 perig. ☽ ☽ Lun.	08	29	24
17	17	☽ ☽ 17 perig. ☽ ☽ Lun.	09	29	08
18	18	☽ ☽ 17 perig. ☽ ☽ Lun.	10	29	21
19	19	☽ ☽ 17 perig. ☽ ☽ Lun.	11	29	04
20	20	☽ ☽ 17 perig. ☽ ☽ Lun.	12	29	16
21	21	☽ ☽ 17 perig. ☽ ☽ Lun.	13	29	29
22	22	☽ ☽ 17 perig. ☽ ☽ Lun.	14	29	11
23	23	☽ ☽ 17 perig. ☽ ☽ Lun.	15	29	23
24	24	☽ ☽ 17 perig. ☽ ☽ Lun.	16	29	05
25	25	☽ ☽ 17 perig. ☽ ☽ Lun.	17	29	17
26	26	☽ ☽ 17 perig. ☽ ☽ Lun.	18	29	28
27	27	☽ ☽ 17 perig. ☽ ☽ Lun.	19	29	10
28	28	☽ ☽ 17 perig. ☽ ☽ Lun.	20	28	22

*Handwritten notes:*  
 Feb 10  
 10 20 21

NOR yet did this thy boundless rage content,  
 But they relapsing, a new experiment  
 The cheere distemper lay, lest it should spread  
 O're the whole body, or infect the rest,  
 To stop it at the throat; thou thought'st it best,  
 Thus ended hee, and Phoebe now stood by,  
 To these complaints about to make reply,  
 But by a post Titan's sent for in haste  
 Unto his Queen, that's breathing out her last.

*Handwritten notes:*  
 was written xque 1. u. 3. d.  
 20 21 22 23 24 25 26 27 28 29 30 31



*A breif Discourse of the Rise and Progress of Astronomy.*

**M**AN at his first Creation, being endued w<sup>th</sup> an immortal soul, no less enflamed with an insatiable desire after, then active in the eager attainment of all knowledge, was no sooner set by out of the hands of his Maker, upon the Theatre of this Terrestrial world, against those Celestial Lights, (though to enamour his soul not incrustate his body, as some fabulous Jewish Doctors have fondly conceived,) but being of an upright countenance, an Emblem of his Sovereignty over the Creatures, he quickly fixed his eyes upon those glorious objects then presented to his view, and was as quickly acquainted with their regular harmonious motions. But man now since the lapse, is fallen at so great a distance, that his dim Intellectual eye by reason likewise of the dark medium of his body can at first give but a probable conjecture, not get a distinct perception of any object whatsoever, so that its no wonder if this as all other sciences in every age do receive but by degrees some small addition, though such indeed was the slow progress this science for a long time made, that minutes not degrees would have been the fittest model to measure her secular motion by. But for the originall thereof, when once it became a national study, Egypt (if we may credit her) will willingly assume the invention thereof upon her selfe, from whence this science soon passed into Greece. Amongst whom sundry by their curious observations, of the places of the Planets, Eclipses, & Solstices, brought no little light to Astronomy, though in what manner those motions were performed, was to them unknown. Till at length *Aristarchus Samius* conceiving it far more rational to assign a uniform motion to those Celestial bodies, and that those strange antick gestures of the Planets, of running back, standing still, coming close to us, and then flying from us were no way consistent with the common received principles of Decency, took no little paines to find out some rational Hypothesis to save the *Phænomena*, trying therefore every way, at length set the Earth going, and allotting it a place among other Planets, soon drew out the real platform of the visible world, which Hypothesis, *Pthagoras* & others in that age readily embraced, But their followers fearfull to goe on in his way, thought it far more secure to come down and rest in the Center, and they chose therefore to stay veiled in obscurity, apprehending it better reason that the light should turne about to them, then they to it. And now *Eratosthenes* a man probably better skilled in Architecture then Astronomy, frames in his Dedalean fancy a strange Fabrick of solid Orbes enclosed one within another, which by the help of his confederates he at last erected in the heavens, but not living to finish the work his successors, some adding concentrick, some excentrick Orbes to save the appearances, endeavoured to finish it. Though nothing was done to any purpose, till *Ptolomæus*, 140 yeares past

Christus

by thrusting in a parcell of Epicycles, was enabled in  
 measure, as he thought to save the *Phenomena* which, forme  
 his remained 800 yeares without any great alteration; But this  
 not yet able to serve the turne, and Posterity finding it in-  
 ceed too changeable to keep this citty adifice in repair, being  
 forced ever and anon to clap in new Epicycles and other Circles  
 to uphold it, to avoide therefore the trouble and charge of new  
 wheeling and joynting this crasy engine, resolved rather to take it  
 quite down, and find out some more easy and rationall way. And  
 now upon diligent perusal of the Records, the ancient opinion  
 of the Earths motion so long slighted, is againe received into fa-  
 vour, the senses continually wasted to and fro therein are voted  
 down a stubble to give in true intelligence, their verdict is quite  
 rejected, & Reason at last landed ashore upon the Terra Nova  
 of the other Planets, that detecting the motion of this tot-  
 tering barge, she now accordingly giveth true information. Coperni-  
 cus now appeares, and alloweth the Earth her diurnall and annu-  
 all motion, cleared up by infallible Geometrical demonstrations  
 that all the motions are performed about the Sun the undoubted  
 Center of 9 Planetary Orbs. But yet this opinion was not so gene-  
 rally received, but it found opponents, Tycho will allow the Sun  
 Center of five of the Planets, and that they can keep their time &  
 distance in the Air without any solid Orbes, but will by no means  
 yield to that Paradox of the Earths motion, and therefore to save  
 the *Phenomena* takes up the old rubbish, and introduces imagi-  
 nary Centers filling the Heavens with fained circles and contrary  
 motions, but did this his foodling dy together with him, but after  
 his death it was fostered and dandled by his successors, especially  
*Longomontanus*, who upon this Hypothesis framed tables of the  
 Planetary motions, though how dissentaneous they are from the  
 Heavens, the *Alpharabius* of *Euclidius* as well as of *Argetus* com-  
 ptoled from thence doe evidently demonstrate. Whereupon in this  
 our age, *Galileus*, *Bullialdus*, *Keplerus*, *Gassendus* and sundry other  
 Mathematicians, have learnedly confuted the Ptolemaick & Ty-  
 chonicall Systeme, and demonstrated the Copernican Hypothesis  
 to be most consentaneous to truth and ocular observations, as the  
*Phenomena* composed from thence clearly evince, although there  
 be yet, one questionable matter will be wanting those who will be  
 ill pleased to censure and cavill at the Hypothesis, as no way su-  
 ting with their own fancy. Thus after many toire and tedious  
 throwes, the obiect is at length

*Experimentum fontium, scientia veritatem;*

*Sed veritas odium peperit*

FINIS.